

128. SURGERY,  
Inhalers & Respirators

N<sup>o</sup> 3908



A.D. 1910

DUPLICATE

Date of Application, 28th July, 1910—Accepted, 23rd Mar., 1911

COMPLETE SPECIFICATION.

Apparatus for Administering by Inhalation, Medicaments in the Form of  
Dust for Curing Consumption and its Allied Troubles.

I, WILLIAM STEVENSON, 50, Fraser Place, Aberdeen, Oatcake Baker, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

- 5 This invention relates to the curing of disease by the inhalation of medicaments, such as chloride of sodium or chlorate of potash, in the form of a very fine dust or powder, and the present invention consists in the improved construction of apparatus for administering such chlorate of potash or chloride of sodium as hereinafter set forth and illustrated in the accompanying drawing.
- 10 In said drawing, *a* represents the drum and *b* an incased paddle wheel, the blades *c* of which at their outer ends *d* are hooked so as to more readily lift the medicament *e*, which has been filled in through the funnel *f*, when said paddle wheel *b* is rotated by means of its handle *g* attached to the axis *h* of said wheel *b*. The drum *a* is mounted on or carried by a base or stand *i* which may, as shown
- 15 in the drawing, take the form of a hot-water jacket, to increase the dryness of the powdered medicament. For strengthening purposes the blades *c* are connected together by stays *j* and to permit of the medicament falling back to the bottom of the drum, are provided with holes *k*.
- 20 The stirring action produced by the rotation of the paddle wheel causes the medicament to rise in the form of a cloud of dust to the top of the drum from which it escapes by way of the funnel *f*, which may or may not be provided with a lid, to be inhaled, the amount to be inhaled being regulated by the distance to or from the funnel of the patient's mouth.
- 25 It is known that in the curing of diseases by the inhalation of medicament in the form of dry powder use has been made of a box for containing the powdered medicament and fitted with a fan rotated by a handle exterior of the box to mix with said medicament air admitted through perforations in the box, and that said fan has been formed of hair, feathers and other light substances and no claim is made to any such arrangement *per se*, but
- 30 Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—
- In apparatus of the kind set forth, an incased paddle wheel the blades of which are hooked at their outer ends to more readily lift the medicament sub-
- 35 stantially as herein described and illustrated by the accompanying drawing.
- Dated the 26th day of July, 1910.

KINGS PATENT AGENCY, LIMITED,  
165, Queen Victoria Street, London, E.C.,  
Agents for Applicant.

BEST AVAILABLE COPY

128. SURGERY, 128/203.15

Inhalers & Respirators

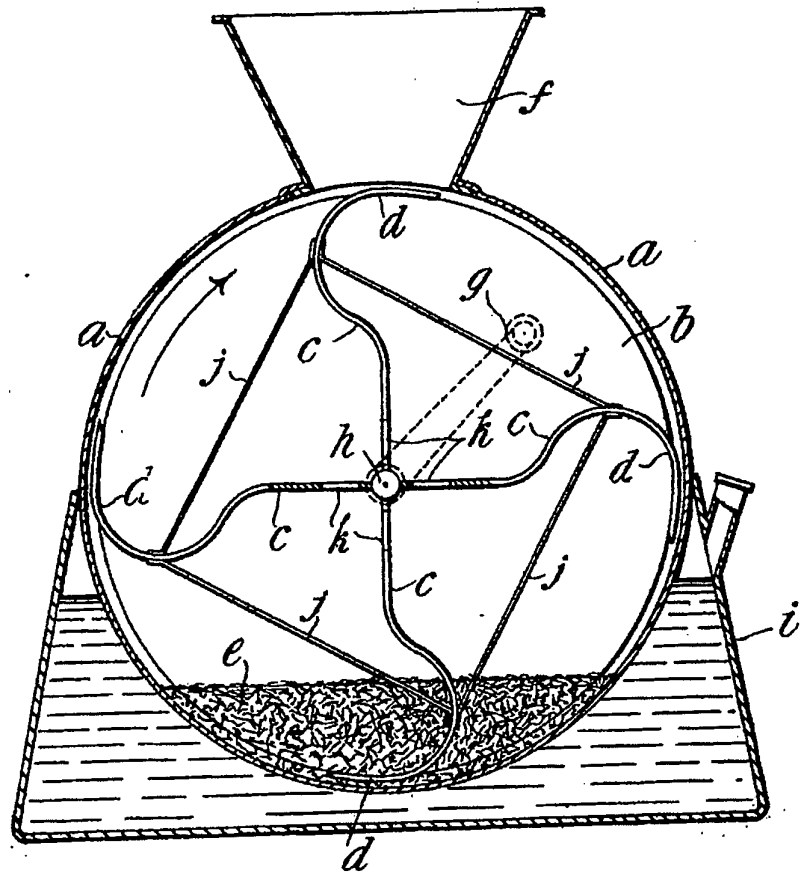
A.D. 1910. JULY 28. N<sup>o</sup> 3908.

STEVENSON'S COMPLETE SPECIFICATION.

(1 SHEET)

Mr 265

[This Drawing is a reproduction of the Original on a reduced scale.]



BEST AVAILABLE COPY